

SRSA

Environmental Annual Report

2023



Factory Area Introduction



Established in 1850; Named after Juana María de los Dolores de León Smith; Wife of then British Governor Sir Harry Smith

レディースミスは1850年、当時の英国中将ハーリースミスの妻フアナ・マリア・デ・ロス・ドローレス・デ・レオン・スミスにちなんで名付けられた。

Small town at 84.13 km² (32.48 sq mi) with a population of 66 000 people; Mixed race and multi lingual.

人口66,000人、84.13 km² (32.48 sq mi)の小さな町。
多民族、多言語。

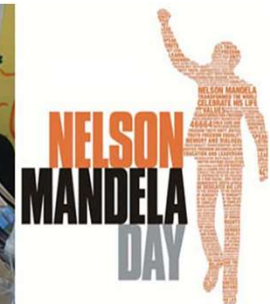
South Africa Plant (Sumitomo Rubber South Africa (Pty) Limited)

Sumitomo Rubber Industries, Ltd. TOP > Sustainability > Sustainability Initiatives at Manufacturing Bases > South Africa Plant

Overseas South Africa Plant (Sumitomo Rubber South Africa (Pty) Limited)

Sustainability Initiatives

As a good corporate citizen and the most responsible tire plant in Africa, the plant has set strategic priorities for “occupational health and safety and utilization of diverse human resources,” “environmentally friendly production technologies and processes,” “support for the disadvantaged,” “correction of external activities that have a negative impact on communities and the environment,” and “community contribution activities in which employees participate in cooperation with local partners.” We are working on.



Recognizing that children's education is of the utmost importance to the development of South Africa, we donated stationery, learning puzzles, coloring books and books. We also donated sanitary products to support female students in commuting to school and studying.

Basic Information

location	KwaZulu-Natal , South Africa TEL.+27-31-242-1111
Number of employees	1,415 (as of the end of December 2021)
Year of operation	1973
ISO14001 Certification	We have acquired ISO14001 global integrated certification for our environmental management system (certification number “0077120”) and have unified our environmental management system.
Main manufacturing items	Automotive Tires



Environmental Policy

[Environmental Policy of South Africa Plant\(PDF 128KB\)](#)



VACCINES SAVE LIVES BY PREVENTING DEADLY DISEASES AND DEATH.

- Getting the **Covid-19 vaccine** can help your body to fight the virus. It is **safe and effective**, and does not contain the active virus.
- **Nobody in South Africa** has died directly due to a **COVID-19 vaccine**, according to the South African Health Products Regulatory Authority (Sahpra).
- **Protect yourself, your family and your community. Get vaccinated.**

#VaccinesWork #GetVaccinated

Remember: We still need to obey all the existing Covid-19 safety measures:



KEEP A DISTANCE
of 1.5m from other people.



WASH OR SANITISE
your hands regularly.



CLEAN SURFACES
regularly.



WEAR A MASK
in public.



Crowds and large gatherings are **PROHIBITED!**

#SaferThanSafe

BROUGHT TO YOU BY





- Factory Introduction [*Town Area*]
- Environmental Certification
- Emissions Monitoring
- Energy Management
- Waste Management
- Water Management
- Scrap Tyre Reconciliation
- Sustainability Projects
- CSI (Corporate Social Investment) Projects



Current issue date:	5 December 2022	Original approval(s):
Expiry date:	4 December 2025	ISO 14001 - 5 December 2007
Certificate identity number:	10482204	

Certificate of Approval

This is to certify that the Management System of:

Sumitomo Rubber Group

Sumitomo Rubber South Africa (Pty) Ltd.
151 Helpmekeer Road, Danskraal Ladysmith, 3370, Kwazulu-Natal, South Africa

has been approved by LRQA to the following standards:

ISO 14001:2015
JIS Q 14001:2015

Approval number(s): ISO 14001 – 0077120-031

LRQA

LRQA

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This certificate forms part of the approval identified by approval number: 0077120

The scope of this approval is applicable to:
Development, industrialization and manufacture of pneumatic radial tyres.

LRQA

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Yasushi Horikawa

Japan Operations Manager

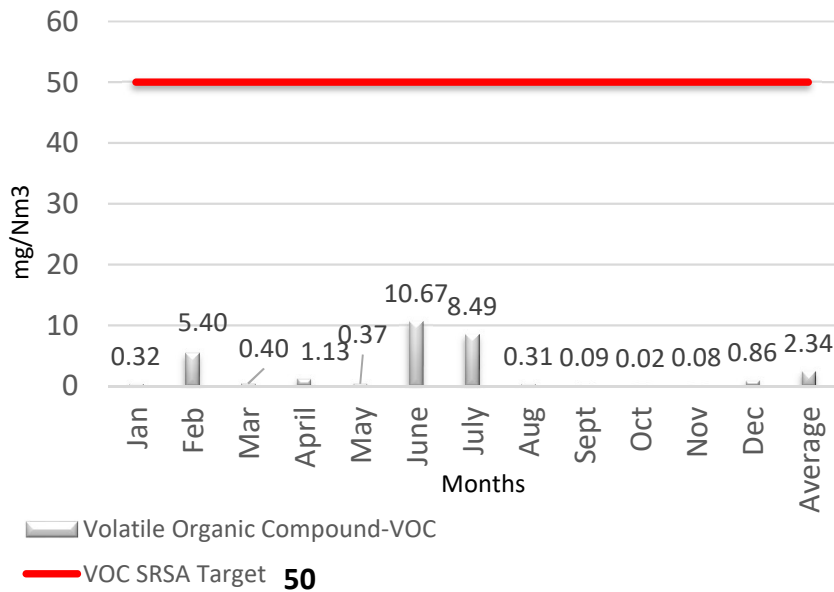
Issued by: LRQA Limited



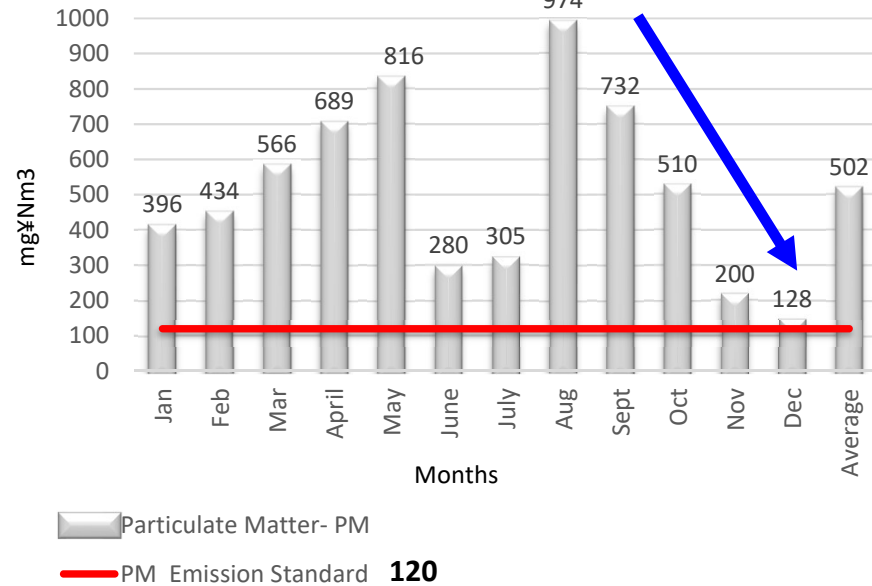
Environmental Data 2022

	Facility	Item	Unit	Regulatory Value	FY 2022 Results			Legal name, etc. Legislation to verify the regulation value
					Smallest Min	Maximum Max	Average Ave.	
Emissions to the atmosphere	Boiler	Sox	mg/Nsm ³	2800	119.35	1,109.65	767.33	NEMAQA Section 23
		Nox	mg/Nsm ³	-	277.54	917.93	456.95	
		Dust, Particulate matter	mg/Nsm ³	120	127.67	974.47	502.44	NEMAQA Section 23 - Small Boiler as a Controlled Emitter, Category 1: Solid Fuel Fired Small Boiler is over the legislative limit for new plant limits.
Discharge into water bodies. Drainage	Drainage Waste water	BOD	mg/L	-	-	-	-	-
		SS concentration Suspended solids	mg/L	-	-	-	-	

VOLATILE ORGANIC COMPOUND - VOC



PARTICULATE MATTER - PM

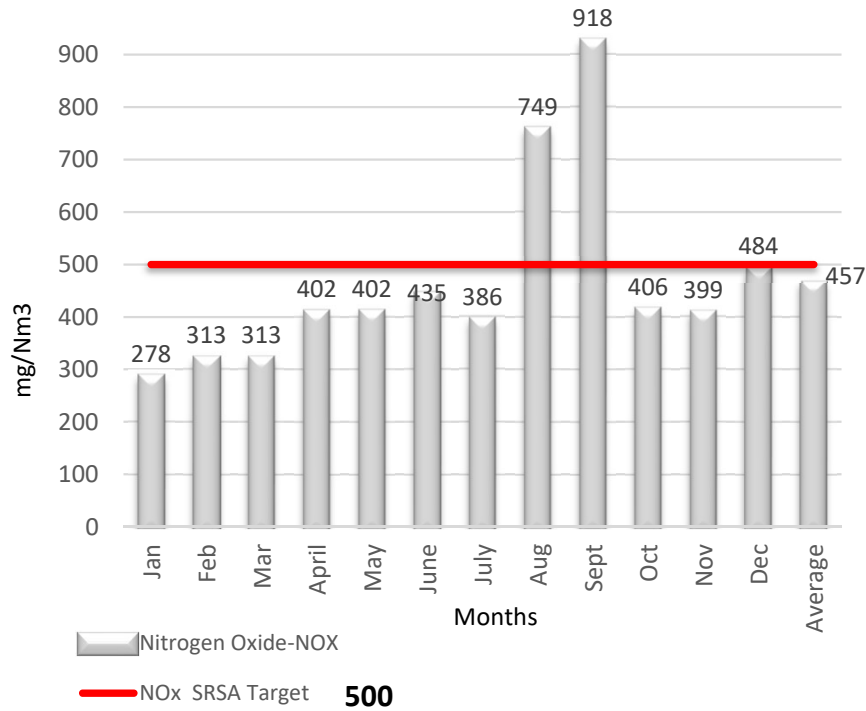


Action:

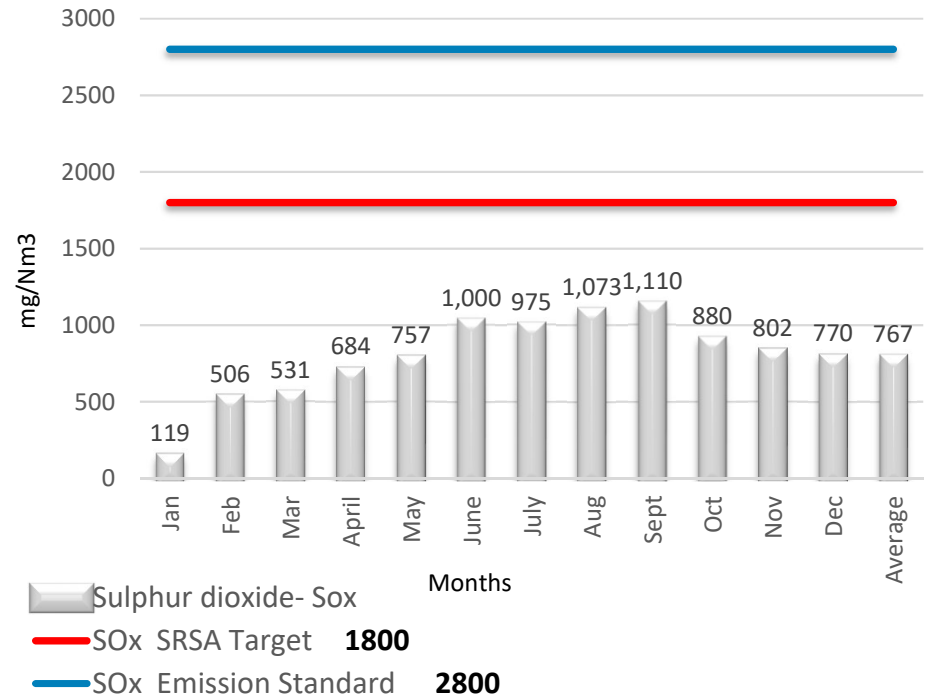
Project is on track, order placed with supplier and supplier busy manufacturing the bag filter unit. Planned to install it during January 2023. Delivery of bag filter completed during December 2022.

Internal cleaning also done during December 2022

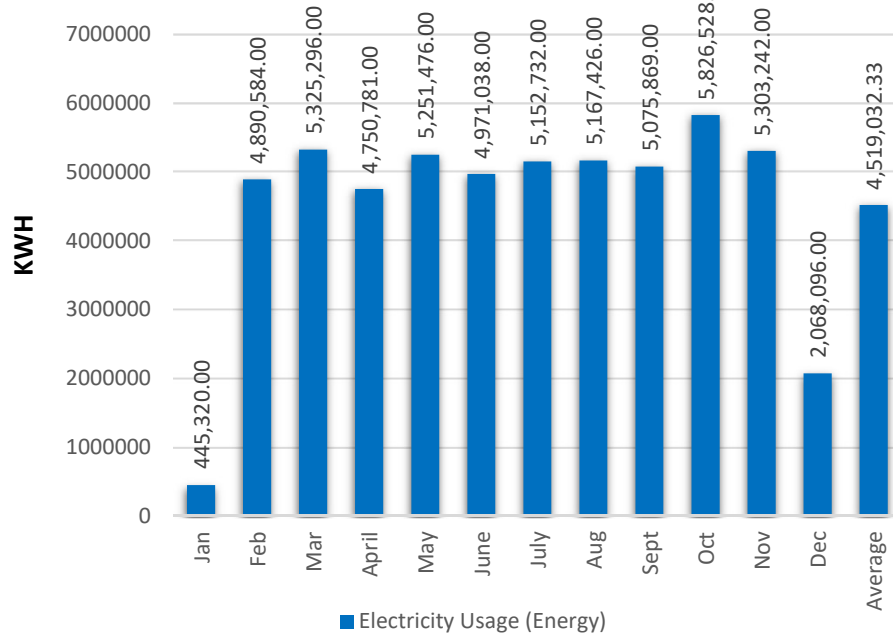
NITROGEN OXIDE - NOx



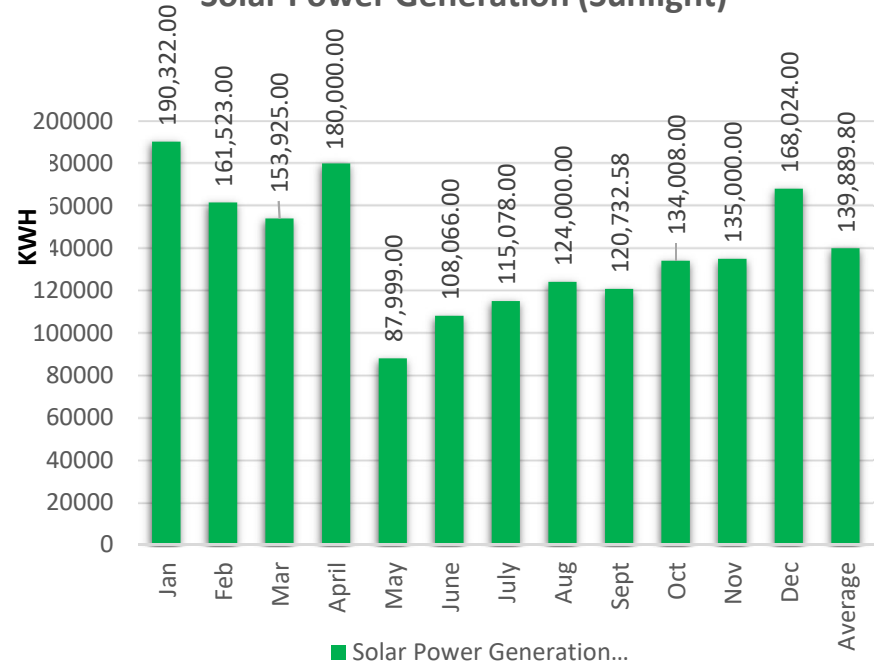
SULPHUR DIOXIDE SOx



Electricity Usage



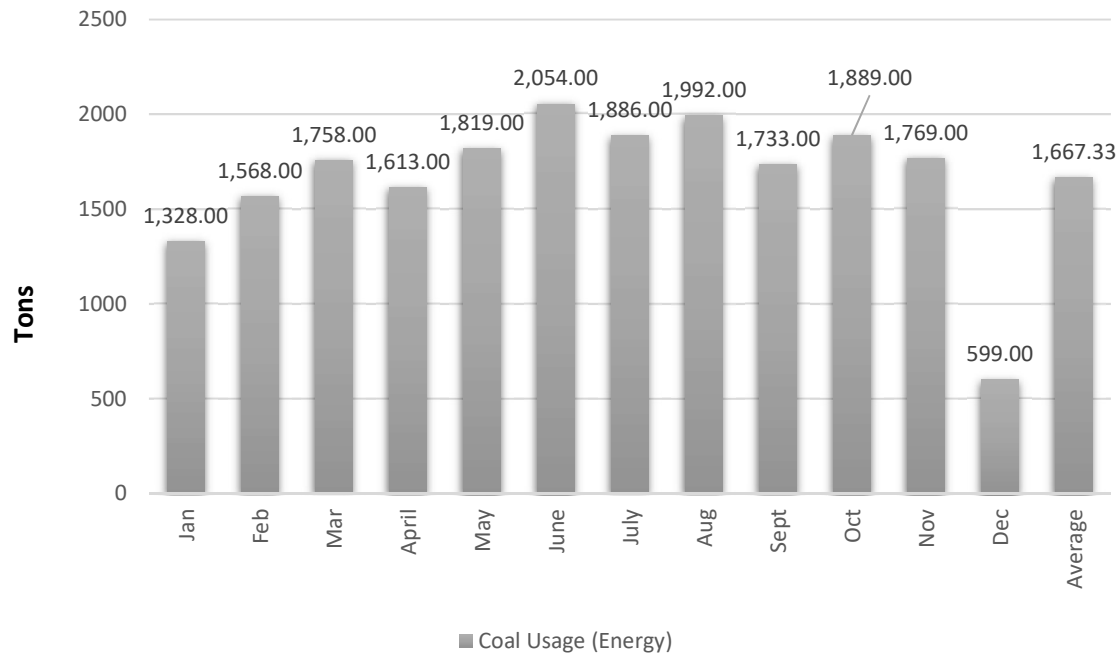
Solar Power Generation (Sunlight)



Electricity usage from Municipality average is below 5000 MWH since we started using Solar power

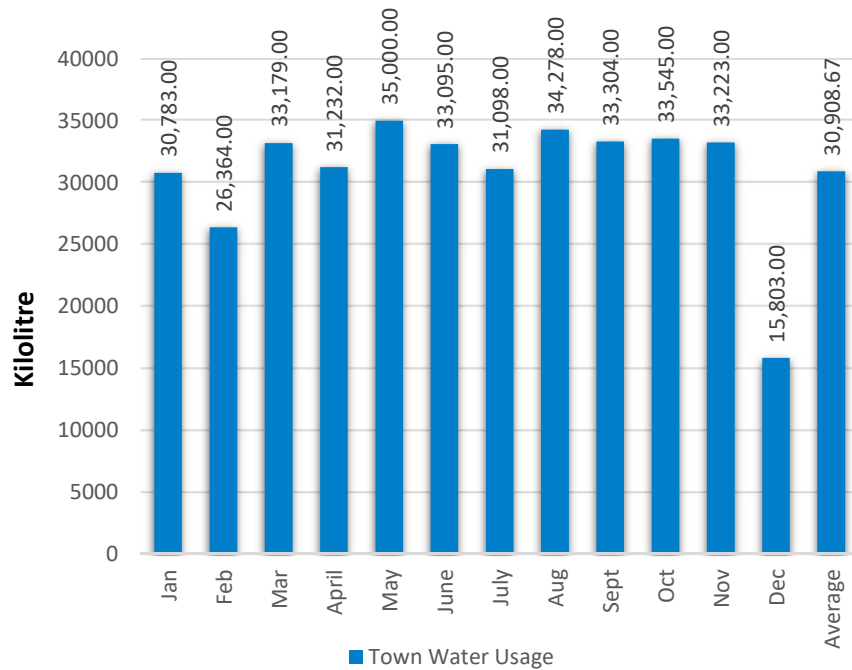
Solar power generation is part of sustainability projects

Coal Usage



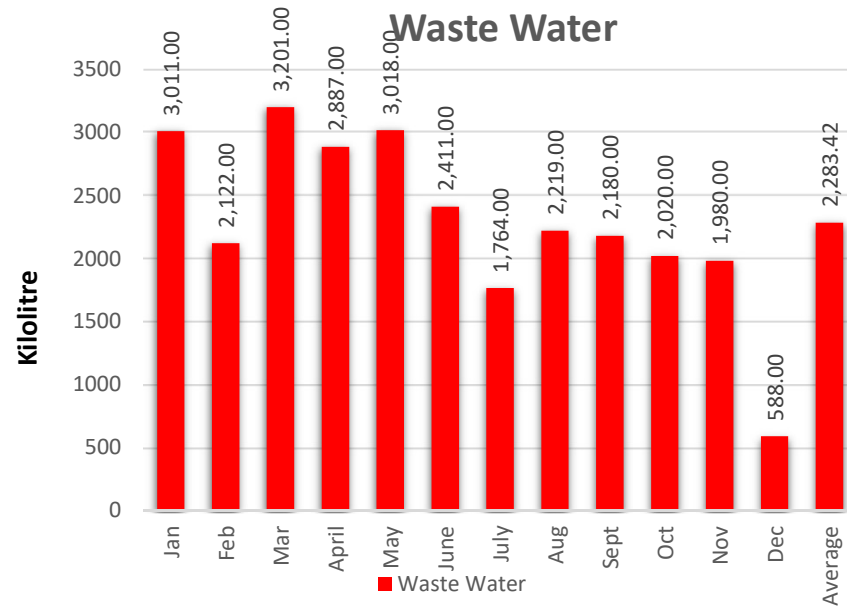
Average coal usage is 1667 tons per month

Municipality Water Usage



Average water usage is 30909 kilolitres per month

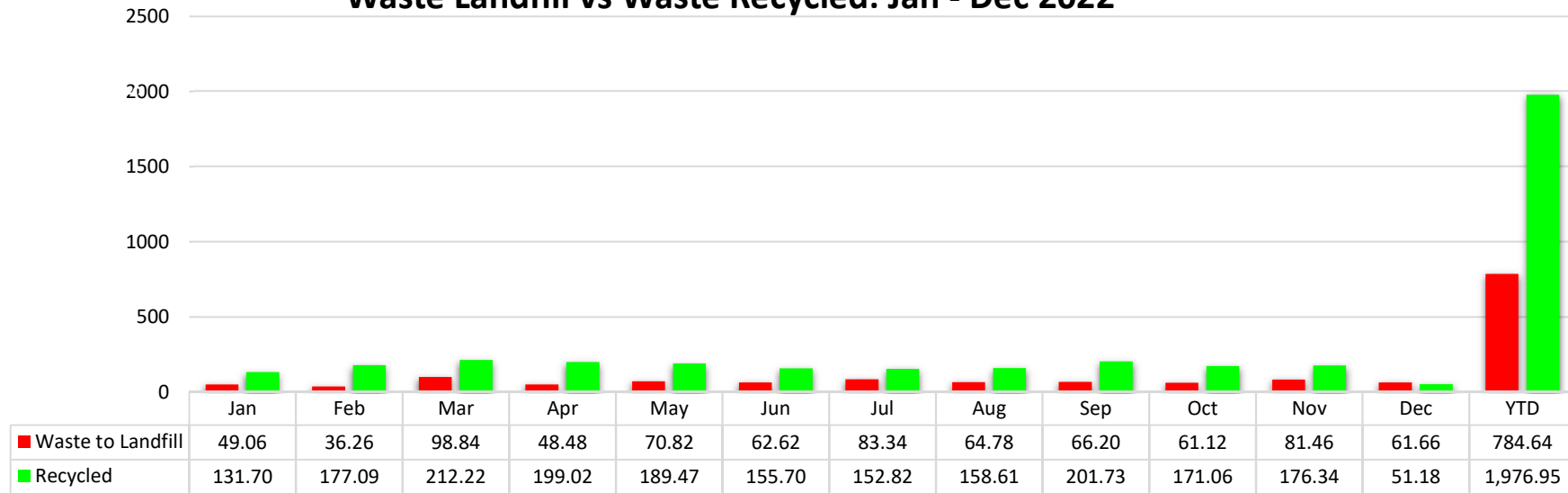
Waste Water



Comments:

- SRSA does not test or measure waste-water. No requirement to measure.
- Waste-water is recycled by cooling hot coal ash from our coal Boiler
- Extra waste-water is directed to sewer line that runs back to Government Municipality for treatment. Sewer is inclusive of human waste.

Waste Landfill vs Waste Recycled: Jan - Dec 2022

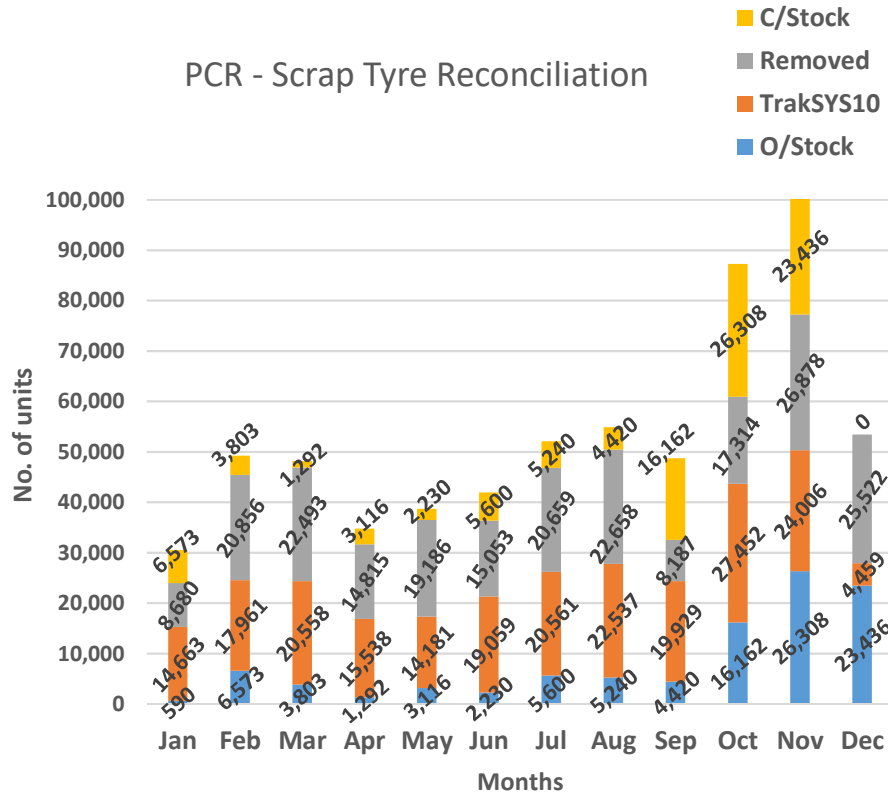


YTD Landfill – 784,64 Tons (28%)
YTD Recycled - 1 976,95 Tons (72%)

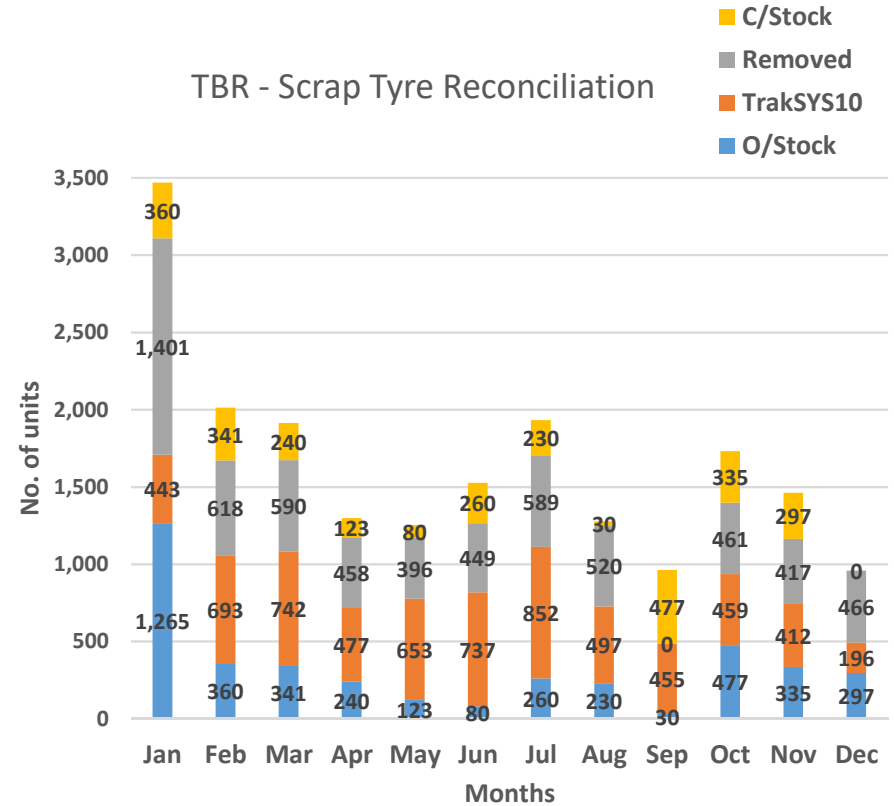
Months

The ratio for waste to landfill vs waste recycled is one-third. SRSA shall continue with recycling improvements

PCR - Scrap Tyre Reconciliation



TBR - Scrap Tyre Reconciliation



SI No	ACTION	BENEFIT / OUTCOME	RESP	DATE
1	100% water recovery from factory return thru close loop and usage	Reduce water consumption by 4% in the year 2022 by having 45% reduction in waste water returns. 75% complete.	Vipin Das	100% Completed
2	LED light conversion and lowering of lights to be completed in the PCR factory.	OEM requires higher lux compared to standard. The project will increase the lux to government regulation without increasing electricity usage.	BT Engineers	70% complete 100% complete by end of 2024
3	Solar panel PV power generation thru a PPA model	Reduce conventional energy usage	Krishna Ravindran	End of 2023
4	Under ground water project to offset dam usage. Do study to determine viability	Study is done. Not possible to implement due to not enough water.	Vipindas Nair	Completed
5	Sludge waste dewatering pilot project at raw cover paint fume recovery	Various trials done. Not possible to implement based on the trials results.	Ridwaan Randeree	Completed
6	200 indigenous trees planning within plant premises to improve water preservation	Create green cover around the factory and rehabilitate the construction site. Project started in June 2022.	Cyril Nkosi	Completed

Status of the Project:

- Currently have a 1MW solar installation which delivers 1,732 MWh/year.
- Phase 2: Anticipates a further 6MW (1,5 MW roof & 4,5 MW Ground) to deliver an additional **13,467** MWh/year power from 2023 onwards.
- Currently under tender process from suppliers for feasibility of the 6MW project

	Source	2021	2022	2023	2024	2025
Projected electricity reduction post implementation of 6MW Solar plant	Total electricity usage MWh/y	45,507	45,507	45,507	45,507	45,507
	Electricity purchase from municipality MWh/year	43,775	43,775	43,775	43,775	43,775
	(1MW) Purchase Solar MWh/year existing installation	1,732	1,732	1,732	1,732	1,732
	(6MW) Purchase Solar MWh/year proposed new installation			10,437	11,001	11,595

- Based on the strict requirements on Sustainability from the OEMs and vast impact on Climate change. SRSA has taken the proactive approach and engaged Sustainability Consultant.
- The consultant is currently doing the gap analysis and identifying the gaps withing our current processes. Thereafter, develop a 5-year plan that will cover overall **ESG elements**.
- The plan will consist of the ESG activities for the Ladysmith Plant, warehouses and Head Office.
- SRSA will share a plan with SRI Sustainability committee upon completion.



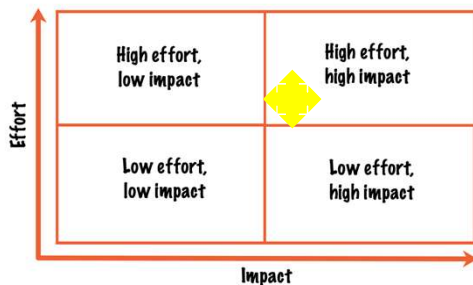
- Implementation of a 5-year plan in phases
- Monitoring and reporting monthly internally
- Reporting on the progress quarterly on Social and Ethics committee, Board and SRI.

Budget

Corporate Social Investment (CSI)	Budget 1	Spent	Variance
Education			
Reality Wellness	800 000	-	800 000
Gift of the Givers / School Build (tbc)	464 100	-3 837	467 937
Tyres for good (Safety)	200 000	-	200 000
TOTAL	1 464 100	-3 837	1 467 937



- Awaiting final survey results
- Should start first project end May 22
- Initiatives:
 - 1) Financial Intervention
 - 2) Community Projects
 - 3) Absenteeism Discussions
 - 4) Values and Philosophy



**THUBELIHLE SPECIAL
NEEDS SCHOOL**
 65 BENGAL ROAD
 LADYSMITH
 R829 (2021) = 2 CLASSROOMS
 R515 (2022) = 1 CLASSROOM
 72 Scholars (ages 6 to 21)



Currently, **19% of the rural population** lacks access to a reliable water supply and 33% do not have basic sanitation services.
School identified in Watersmead, Ladysmith – approx. R500k



Limit Hill Combined School



**SRSA donation of school stationery in school back packs to
LIMIT HILL COMBINED SCHOOL**

“Because you matter programme” – internal and Community programs



Community project – 7 months with Mayor’s office

PROPOSAL OUTLINE KEY DISCUSSION POINTS

- Women’s Health - Option 1**
- Health screening
 - Clinic
 - Hygienic sanitary wear
 - Educational Talks
- Young Girls Wellness - Option 2**
- Sanitary wear drive
 - Educational Talks & Counselling
 - Clinic
 - Health screening - optional



CAMPAIGNS/EMAILERS

Mental Health month
Madiba day 18 July
RWG Finances in Focus
International Joke Day
International Friendship Day

No charge for above
Extra Campaigns can be requested and charged for accordingly

CAMPAIGNS

Women’s day 9 Aug
National Friendship day 7 Aug
RWG No meat Monday’s

Extra Campaigns can be requested and charged for accordingly

CAMPAIGNS

Suicide Prevention day 10 Sep
Positive thinking day 13 Sep
National Heritage day 24 Sep
RWG DAY - Showcase your talent

Extra Campaigns can be requested and charged for accordingly

CAMPAIGNS

Breast Cancer awareness month
Mental Health Month
Depression Day 8 Oct
RWG DAY
Get your Ducks in a Row

No Charge
Extra Campaigns can be requested and charged for accordingly

CAMPAIGNS

16 days of Activism
November Month
National sandwich day 3 Nov
RWG DAY
Extra mile day

No Charge
Extra Campaigns can be requested and charged for accordingly

CAMPAIGNS

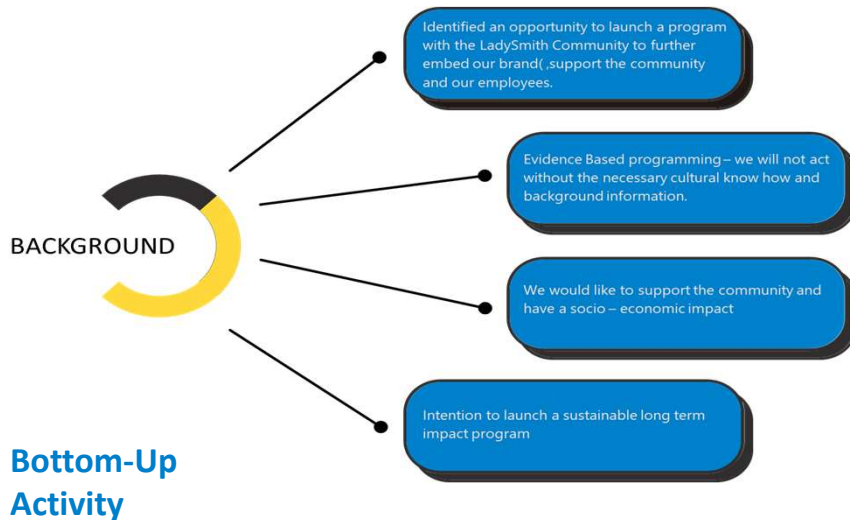
World Aids Day 1 Dec
International day for disabled persons 3 Dec
RWG Month of giving

No Charge
Extra Campaigns can be requested and charged for accordingly



Employee Wellness Action plan in revised MTP

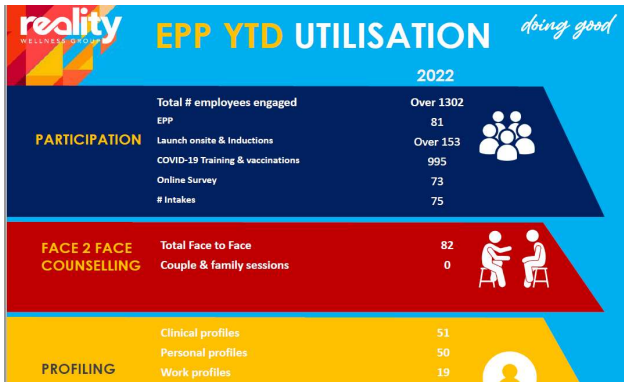
Employee wellness is at the top of our priority list



Project	Description	Timeline	Project status
1. Employee wellness survey	Detailed survey for employees to assess their needs	19 April – 6 May 2022	
2. Survey results	This to be presented to management	20 May 2022	
3. Project outlined	To have our projected costed for employees and community	31 May 2022	
4. Project launch	Launch our project	1 June 2022	Launch date is moved out to 1 August
Project	Description	Timeline	Project status
1. Employee engagement survey	Detailed survey for employees to assess their needs	18 May to 17 June 2022	
2. Survey results	This to be presented to management	5 July 2022	
3. Top 50 Management workshop	Top 50 Management to workshop the results and ID the big rocks to focus on	12 July 2022	
4. Trackable action plan	Trackable action plan Company & Dept	Mid July 2022	

- Running in April for two weeks an employee survey to understand our employees psychosocial needs i.e., financial, health, children
- This will be translated into targeted projects that will address absenteeism, financial problems our employees are experiencing but also transform into a community project

Because you Matter – caring for our employees



EPP YTD CLINICAL PROFILE 2022

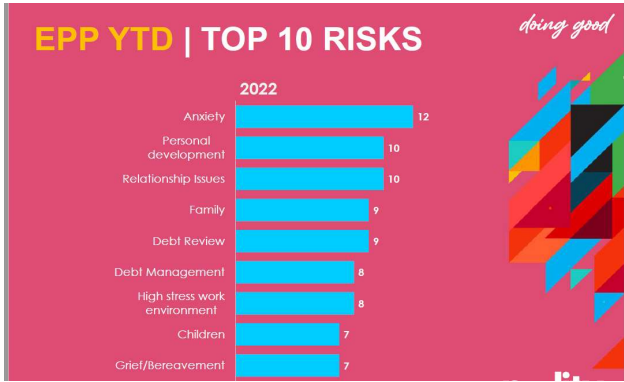
doing good

Adjustment	6
Depression	6
Grief/ Bereavement	7
Suicidal ideation	2
Acute Stress	5
Anxiety	12
Chronic Stress	0
Traumatic Stress	6
Physical abuse	1

EPP YTD FINANCIAL ASSISTANCE 2022

doing good

Debt review	9
Investments	0
Debt Management	8
Budgeting	5
Financial – other	1



EPP YTD PERSONAL PROFILE 2022

doing good

Relationship Issues	10
Family	9
Physical Ill Health	6
Anger Management	0
Financial Issues	5
Children	7
Personal Development	10

EPP YTD WORKPLACE PROFILE 2022

doing good

Performance	2
Absenteeism	3
Career Development	0
Workplace Conflict	0
High Stress Work Environment / Burnout / Workload	8
Job dissatisfaction	5
Retrenchment	0
Violence	0
Other	1

Key activities remainder of 2022

Launch programme because you matter

Launch our community project

Create our wellness centre – one stop shop for employees to access wellness offerings



Although CSI / Socio Economic Development holds many perceived business benefits, it primarily aims **to improve the living conditions of communities**, and enhance or, at the very least, maintain the quality of their environment.



THANK YOU